Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041522\
Data File : BM034709.D
Acq On : 15 Apr 2022 19:26
Operator : CG/JU
Sample : PB144066BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS066

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 04/18/2022
Supervised By :Yogesh Patel 04/18/2022

Quant Time: Apr 18 08:11:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040922.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Apr 18 05:39:41 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.854 | 152 | 99616 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.660 | 136 | 409317 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.501 | 164 | 237396 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.248 | 188 | 482694 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.430 | 240 | 446576 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 23.800 | 264 | 368692 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.231 | 96 | 16395 | 5.869 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.684 | 84 | 106322 | 15.771 | ng/ul | 0.02 |
| 7) Phenol-d5 | 7.025 | 99 | 247306 | 29.828 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.178 | 67 | 176397 | 31.927 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.384 | 132 | 214176 | 33.416 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.572 | 113 | 198730 | 30.684 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.019 | 128 | 98624 | 32.784 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.742 | 143 | 100067 | 31.950 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.289 | 165 | 186743 | 31.665 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.813 | 131 | 126552 | 15.554 | ng/ul | 0.01 |
| 46) Dimethylphthalate-d6 | 13.919 | 166 | 557249 | 32.486 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.195 | 160 | 671789 | 30.470 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.724 | 143 | 58290 | 22.286 | ng/ul | 0.02 |
| 60) Fluorene-d10 | 15.495 | 176 | 474316 | 31.997 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.618 | 200 | 54285 | 18.422 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.348 | 188 | 714686 | 31.055 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.642 | 212 | 820688 | 33.671 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.647 | 264 | 581296 | 31.343 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.266 | 88 | 32208 | 11.450 | ng/uL# | 67 |
| 5) Pyridine | 3.707 | 79 | 146524m | 19.890 | ng/ul | |
| 6) Benzaldehyde | 6.990 | 77 | 171826m | 33.804 | ng/ul | |
| 8) Phenol | 7.054 | 94 | 261743 | 31.249 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.272 | 93 | 213180 | 31.537 | ng/ul# | 86 |
| 12) 2-Chlorophenol | 7.419 | 128 | 216736 | 33.173 | ng/ul# | 89 |
| 13) 2-Methylphenol | 8.307 | 108 | 197517 | 31.899 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.390 | 45 | 343359 | 33.973 | ng/ul# | 86 |
| 16) Acetophenone | 8.678 | 105 | 317956 | 31.452 | ng/ul# | 86 |
| 17) N-Nitroso-di-n-propyla... | 8.666 | 70 | 159736 | 29.686 | ng/ul# | 85 |
| 18) 4-Methylphenol | 8.637 | 108 | 201673 | 30.617 | ng/ul | 93 |
| 19) Hexachloroethane | 8.937 | 117 | 91176 | 31.026 | ng/ul | 84 |
| 22) Nitrobenzene | 9.060 | 77 | 251393 | 31.877 | ng/ul | 92 |
| 23) Isophorone | 9.589 | 82 | 471794 | 33.689 | ng/ul# | 92 |
| 25) 2-Nitrophenol | 9.778 | 139 | 104696 | 31.210 | ng/ul# | 91 |
| 26) 2,4-Dimethylphenol | 9.842 | 107 | 223428 | 30.007 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.072 | 93 | 273085 | 32.410 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.319 | 162 | 181336 | 31.154 | ng/ul# | 95 |
| 30) Naphthalene | 10.713 | 128 | 672272 | 31.549 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.842 | 127 | 114008 | 13.987 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.001 | 225 | 123220 | 30.111 | ng/ul | 99 |
| 34) Caprolactam | 11.625 | 113 | 39129 | 20.693 | ng/ul# | 41 |
| 35) 4-Chloro-3-methylphenol | 11.966 | 107 | 190140 | 31.468 | ng/ul | 90 |
| 36) 2-Methylnaphthalene | 12.330 | 142 | 440835 | 32.279 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.548 | 142 | 447832 | 31.962 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.701 | 216 | 220820 | 31.076 | ng/ul# | 96 |
| 40) Hexachlorocyclopentadiene | 12.677 | 237 | 98196 | 21.058 | ng/ul | 94 |
| 41) 2,4,6-Trichlorophenol | 12.942 | 196 | 143362 | 33.212 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.019 | 196 | 146400 | 32.729 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.336 | 154 | 579820 | 32.242 | ng/ul# | 97 |
| 44) 2-Chloronaphthalene | 13.377 | 162 | 444516 | 32.197 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.589 | 65 | 131928 | 35.044 | ng/ul# | 82 |
| 47) Dimethylphthalate | 13.966 | 163 | 545868 | 32.337 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.083 | 165 | 111525 | 34.389 | ng/ul | 89 |
| 50) Acenaphthylene | 14.224 | 152 | 717707 | 32.065 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.430 | 138 | 52409 | 18.484 | ng/ul | 86 |
| 52) Acenaphthene | 14.566 | 153 | 470925 | 31.602 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.624 | 184 | 19051 | 10.424 | ng/ul# | 74 |
| 55) 4-Nitrophenol | 14.736 | 109 | 49291 | 22.068 | ng/ul# | 76 |
| 56) Dibenzofuran | 14.901 | 168 | 658387 | 32.508 | ng/ul | 94 |
| 57) 2,4-Dinitrotoluene | 14.871 | 165 | 152979 | 33.892 | ng/ul# | 75 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.130 | 232 | 128146 | 32.630 | ng/ul# | 85 |
| 59) Diethylphthalate | 15.324 | 149 | 562515 | 32.806 | ng/ul | 98 |
| 61) Fluorene | 15.554 | 166 | 545211 | 31.906 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.542 | 204 | 261571 | 31.712 | ng/ul | 92 |
| 63) 4-Nitroaniline | 15.589 | 138 | 42784m | 17.137 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.630 | 198 | 53445 | 18.190 | ng/ul# | 76 |
| 67) N-Nitrosodiphenylamine | 15.760 | 169 | 435665 | 30.294 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.436 | 248 | 158842 | 31.834 | ng/ul# | 90 |
| 69) Hexachlorobenzene | 16.560 | 284 | 182191 | 30.403 | ng/ul | 94 |
| 70) Atrazine | 16.712 | 200 | 138266 | 25.692 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.901 | 266 | 85544 | 23.313 | ng/ul | 99 |
| 72) Phenanthrene | 17.289 | 178 | 855381 | 31.758 | ng/ul | 100 |
| 74) Anthracene | 17.383 | 178 | 848441 | 31.789 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.307 | 216 | 232883 | 30.719 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.824 | 250 | 213020 | 29.942 | ng/uL | 100 |
| 77) Carbazole | 17.654 | 167 | 655752 | 29.700 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.218 | 149 | 935506 | 33.383 | ng/ul | 99 |
| 80) Fluoranthene | 19.306 | 202 | 973430 | 36.088 | ng/ul# | 90 |
| 82) Pyrene | 19.671 | 202 | 1004801 | 34.272 | ng/ul# | 89 |
| 83) Butylbenzylphthalate | 20.565 | 149 | 357434 | 31.142 | ng/ul# | 84 |
| 84) 3,3'-Dichlorobenzidine | 21.377 | 252 | 8883m | 1.135 | ng/ul | |
| 85) Benzo(a)anthracene | 21.412 | 228 | 819034 | 31.542 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.348 | 149 | 567001 | 33.007 | ng/ul | 97 |
| 87) Chrysene | 21.465 | 228 | 943371 | 33.692 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.253 | 149 | 706066 | 28.766 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.077 | 252 | 762108 | 34.787 | ng/ul# | 97 |
| 91) Benzo(k)fluoranthene | 23.124 | 252 | 831852 | 36.157 | ng/ul# | 96 |
| 93) Benzo(a)pyrene | 23.700 | 252 | 708413 | 32.717 | ng/ul# | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 26.271 | 276 | 330685 | 14.271 | ng/ul# | 95 |
| 95) Dibenzo(a,h)anthracene | 26.318 | 278 | 178016 | 9.371 | ng/ul# | 89 |
| 96) Benzo(g,h,i)perylene | 27.024 | 276 | 460279 | 20.695 | ng/ul# | 92 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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